



SUNWEB

THE NATURAL CHOICE

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The rapidly growing solar market has attracted many new module producers. How do you keep up and create a competitive edge?

The Sunweb solar cell means higher efficiency and lower production cost for module manufacturers. With Sunweb you will enjoy the benefits of breakthrough technology and our expertise in the field of solar cells and module manufacturing processes.

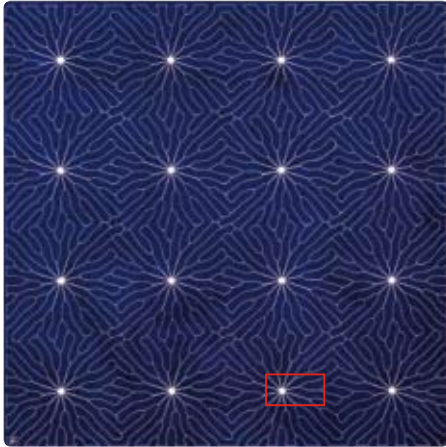
Sunweb, the natural choice.

BENEFITS MODULE MANUFACTURER

- **Lower production cost**
- **Higher efficiency**
- **Higher production yield**
- **Higher throughput**
- **Solar design product**

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SMART TECHNOLOGY

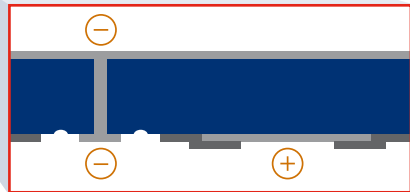


HIGHER EFFICIENCY

The special metallization pattern reduces shadow losses and results in a lower resistivity.

LESS BREAKAGE & THINNER CELLS

The “metal wrap through” back-contact cell technology allows interconnection in a flat surface and increases mechanical stability.

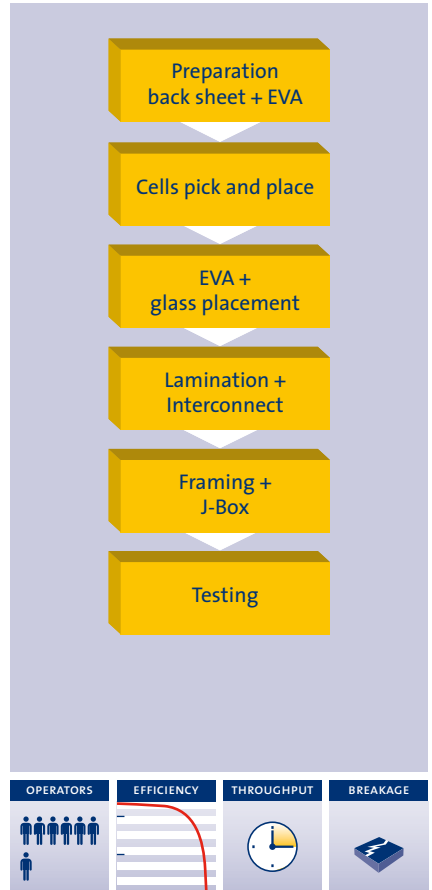
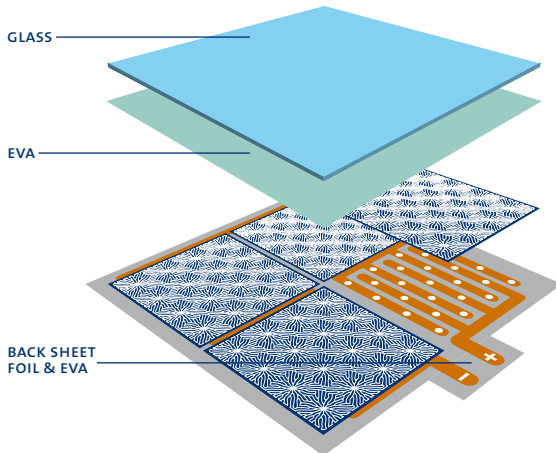


Cross-Section: Metal Wrap Through (MWT).

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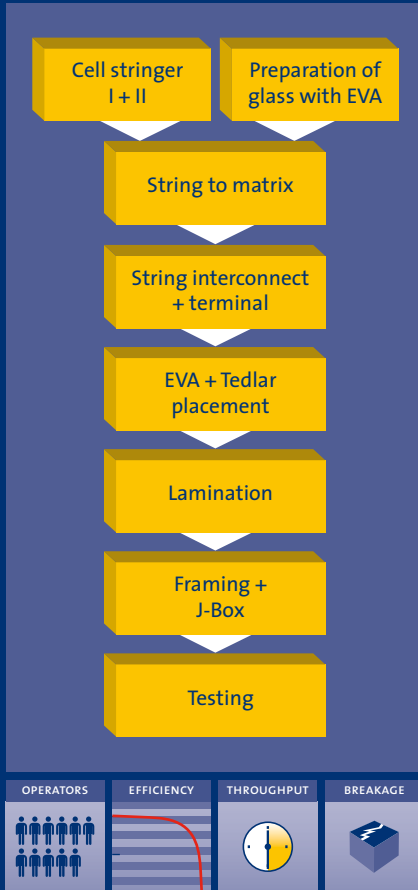
INNOVATIVE MODULE CONCEPT

- **LOWER PRODUCTION COST**
The highly automated assembly process reduces the number of operators.
- **HIGHER MODULE EFFICIENCY**
Flat-surface interconnection allows for closer packaging of cells and results in a lower resistivity.
- **HIGHER PRODUCTION YIELD**
Reduction of handling and mechanical stress on the cells in the process result in less breakage.
- **HIGHER THROUGHPUT**
Smart module concept allows for less process steps and a high level of automation.

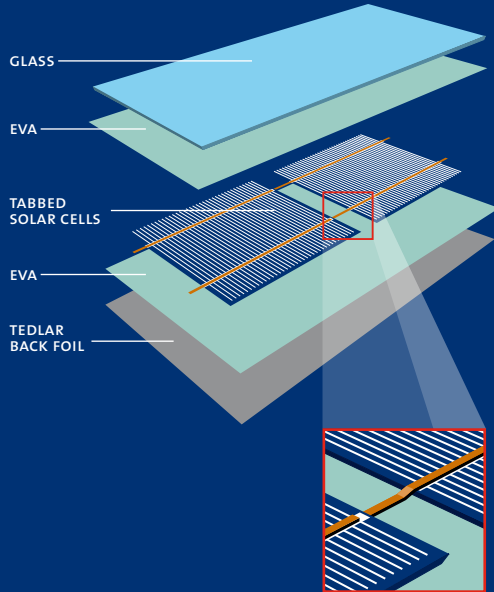


STANDARD

TRADITIONAL MODULE CONCEPT



- **LABOUR INTENSIVE**
- **LARGE SPACING BETWEEN CELLS**
- **MECHANICAL STRESS ON THE CELLS DUE TO INTERCONNECTION TAB**
- **INTENSIVE MECHANICAL HANDLING**



Solland



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